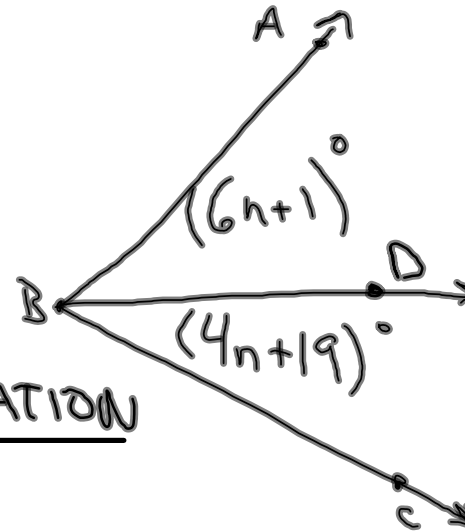


Fill in each missing step or justification in the following problem.

Given: Segment BD bisects angle ABC



STATEMENT	JUSTIFICATION
$m\angle ABD = m\angle DBC$	_____
_____	SUBSTITUTION PROPERTY
$2n = 18$	_____
_____	_____

For each problem, a TRUE biconditional statement is given.

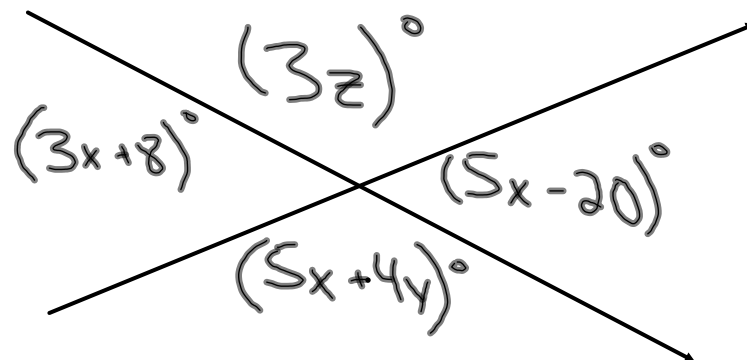
a) Write the converse to the statement.

b) If the converse is false provide a counterexample. If true, write the statement as a biconditional

1) If a number is divisible by 4, then it is even.

2) If $x = 12$, then $2x - 5 = 19$.

Find the value of each variable. Then find the value of each angle.



STATEMENT	JUSTIFICATION

Write each statement as a biconditional statement. Then identify the hypothesis and conclusion.

1) All dogs are mammals.

2) All geometry problems are lame.

Setup an equation to find x . *JUSTIFY EACH STEP!* Then find the measure of each angle.

